PackardBell Viseo 193ws

Service Guide

http://www.wiel.net

The right side of the 'Edit unit' screen, the following buttons are located.

Button	Description
	You can automatically register the unit through unit search.
	When you enter the unit information and press this button, you can register a new unit.
	When you select the unit information and press this button, you can delete the existing unit.
	When you select the unit information and press this button, you can edit the existing unit information.
	The AC Smart and the ACP can be interconnected to be operated. In this case, the ACP operates as master while the AC Smart operates as slave. When the AC Smart operates as slave, you cannot use schedule, automatic control and detailed lock functions.

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Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardisation for early integration in its products.

Mains fuse (UK only)

This TV is fitted with an approved moulded plug. Should it become necessary to replace the mains fuse, this must be replaced with a fuse of the same value as indicated on the plug (example 10A).

1 Remove fuse cover and fuse.

2 The replacement fuse must comply with BS 1362 and have the ASTA approval mark. If the fuse is lost, contact your dealer in order to verify the correct type.

3 Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be detached from the mains cord cable.

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1.3.4.3 Mode Recognition Pull-in

The monitor shall recognize preset modes within a range of +/-1KHz whichever is less for horizontal ; and within +/-1Hz for vertical.

1.3.4.4 User Display Modes

In addition to the factory pre-set video modes, provisions shall be made to store up to 9 user modes. If the current mode is a user mode, the monitor shall select its previously stored settings. If the user alters a setting, the new setting will be stored in the same user mode. The user modes are not affected by the pre-set command. If the input signal requires a new user mode, storage of the new format is automatically performed during user adjustment of the display (if required).(Please see Note.(4))

Preset timing Chart

Preset Timing Chart

Item	No	Resolution	H-Sync (KHz)	V-Sync (KHz)	Band Width (MHz)	Polarit H	Polarit V	Source
1	T103	640x480@60Hz	31.469	59.941	25.175	-	-	VESA
2	T173	640x480@72Hz	37.861	72.809	31.500	-	-	VESA
3	T109	640x480@75Hz	37.500	75.000	31.500	-	-	VESA
4	T182	640x480@66.66Hz	35	66.66	30.24	-	-	MAC
5	T102	720x400@70Hz	31.469	70.087	28.322	-	+	VGA
6	T104	800x600@56Hz	35.156	56.250	36.000	+	+	VESA
7	T116	800x600@60Hz	37.879	60.317	40.000	+	+	VESA
8	T117	800x600@72Hz	48.077	72.188	50.000	+	+	VESA
9	T110	800x600@75Hz	46.875	75.000	49.500	+	+	VESA
10	T108	832x624@74.55Hz	49.722	74.55	57.28	-	-	VESA
11	T118	1024x768@60Hz	48.363	60.004	65.000	-	-	VESA
12	T157	1024x768@70Hz	56.476	70.069	75.000	-	-	VESA
13	T141	1024x768@75Hz	60.023	75.029	78.750	+	+	VESA
14	T203	1152x870@75Hz	68.700	75.000	84.520	-	-	
15	T126	1152x864@75Hz	67.5	75	108	+	+	
16	T161	1280x960@60Hz	60	60	108	+	+	VESA
17	T179	1280x1024@60Hz	63.981	60.020	108.000	+	+	VESA
18	T131	1280x1024@75Hz	79.976	75.025	135.000	+	+	VESA
19	T339	1280x720@60Hz	44.955	59.940	74.176	+	+	
20	T213	1280x800@60Hz	49.702	59.810	83.500	+	+	
21	T278	1366x768@60Hz	47.712	59.790	85.500	-	-	

1.3.5 Controller Requirements

1.3.5.1 General Requirements

The monitor shall include a controller capable of converting the analog RGB signal from a standard SXGA resolution video controller in the CPU to a signal which can be displayed on the panel. The controller will include a PLL, A/D converters, LVDS transmitter and other circuitry necessary to perform its function. The PLL shall be stable enough to ensure that a static image from the CPU is placed in the same physical location on the flat panel in each frame.

1.3.5.2 Video Stretching

The monitor shall contain provisions to "stretch" the video signal, so that an input signal from the computer in any resolution smaller than 1366 x 768 is automatically expanded to fill the entire screen.

1.3.5.3 Panel Timing and Interface

The controller supplied with the monitor shall control all panel timing. This controller shall adequately insulate the monitor from the computer, so that no possible combination of input signals from the computer shall cause damage to the flat panel or any other component of the monitor. The LCD panel interface shall support the TFT standard.

1.3.6 DC - AC Inverter Requirements

The DC-AC inverter is on the power board. The frequencies used by the DC-AC inverter used to power the backlight shall be chosen so as to prevent any noticeable effects on the flat panel (such as a rolling effect).

1.3.7 Power Supply Requirements

The AC to DC converter power supply for the monitor shall be an external AC to DC converter "brick" This brick shall have an IEC receptacle for main power input and a pin - in ---socket for DC power out. The brick shall provide sufficient power for both the monitor and the backlight assembly, and shall meet requirements specified in Table 2.

Table 2. AC TO DC Converter Requirements

Table 2
AC to DC Converter Requirements

Input Voltage Range	The operating range shall be from 90 to 132 and 195 to 265 AVC sinusoidal for all models specified.
Input Frequency Range	Input power frequency range shall be from 47 to 63 Hz over the specified input voltage range.
Power Consumption	Power consumption for the monitor shall be less than W over the specified voltage and frequency ranges. In suspend or sleep mode the power consumption will be less than 2W.
Line Fuse	The AC input shall be fused and become electrically open as a result of an unsafe current level. The fuse many not be user replaceable.
Initial Cold Start	The power supply shall start and function properly when under full load, with worst case conditions of input voltage, input frequency, operating temperature, and cold backlight lamps.
Inrush Current	The inrush current must be limited to 30A when operated at 120VAC, and 50A when operated at 220VAC. Inrush current is measured at an ambient temperature of 25 °C, with the unit temperature stabilized in the poweroff.
Hot Start Cycle	The power supply shall be damaged when switched ON for one second and OFF for one second for seven consecutive after operating for one hour at full load, 25 °C, and nominal input line voltage.
Under Voltage	The power supply shall contain protectivecircuitry such that the application of an input voltage below the minimum specified in this table shall not cause damage to the power supply unit nor cause failure of the input.
Line Transient	The power supply shallperate within IEC 8044 (± 1KV) and IEC 801-5 (± 2KV) for the domestic U.S. version. The UPS power supply shall operate and comply with CE mark.

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Riser Board Connector

Figure 4-3 depicts I_2O connector on the riser board.

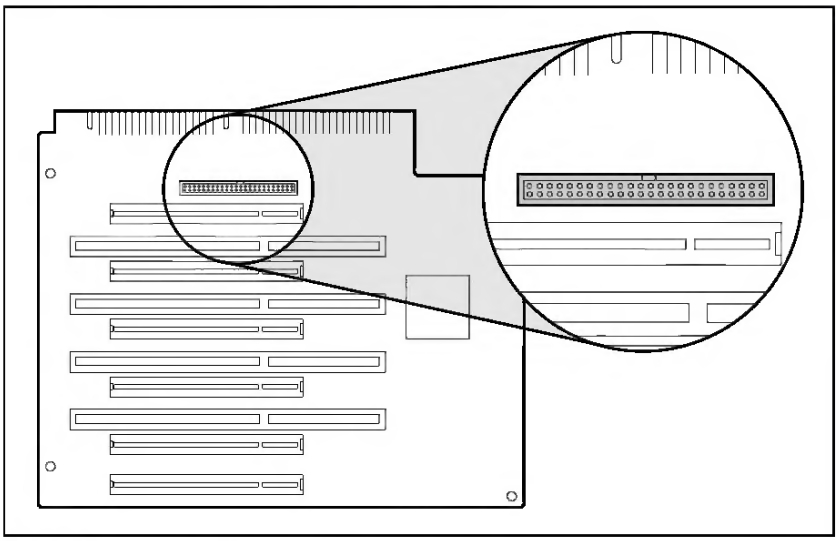

Figure 4-3. I_2O connector on the riser board

Disposal of your old product.

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 22002/96/EC. Please find out more about the separate collection system for electrical and electronic products in your local neighborhood.

Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

The packaging of this product is intended to be recycled. Apply to the local authorities for correct disposal.

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Disposal

Dispose of the packaging material!

Dispose of the packaging material of your tumble dryer correctly. All the packaging materials used are harmless to the environment and can be recycled.

- Plastic parts are marked with standard international abbreviations:
  - >PE< for polyethylene, e.g. sheet wrapping material
  - >PS< for polystyrene, e.g. padding material (always CFC-free)
  - >POM< for polyoxymethylene, e.g. plastic clips

Cardboard packaging is manufactured from recycled paper and should be deposited in the waste paper collection for recycling.

Disposal of the old appliance!

Warning! When disposing of the tumble dryer, pull out the plug, cut off the flex, dispose of the plug and remaining flex and destroy the door lock. This hinders children from locking themselves in and endangering their lives.

When you eventually stop using your tumble dryer please bring it to the nearest recycling centre or to your dealer who will take it back for a small fee.

The materials can be recycled in accordance with their markings. Standard tools (crosshead screwdriver, hammer) are sufficient to dismantle the old appliance.

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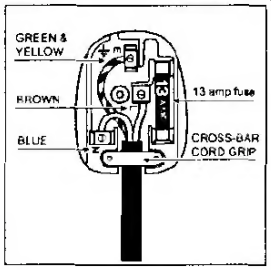
How to connect an alternativa plug

The wires in this mains lead are coloured in accordance with the following code:

BLUE	**"NEUTRAL" (N)**
BROWN	**"LIVE" (L)**
GREEN AND YELLOW	**"EARTH" (E)**



Disposing of the appliance

When disposing of the appliance please remove the plug by cutting the mains cable as close as possible to the plug body and dispose of it as described above.

Technical Specifications

Inner Dimensions of the Oven:

Width - 40 cm
Depth - 39 cm
Height- 34 cm

Inner Volume of the Oven:

53 Liters

Energy Consumption:

To reach 200°C: 0.45 kWh
To maintain the temp. at 200°C for 1 hour: 0.95 kWh
Total: 1.40 kWh

Voltage and Frequency of Power Supply:

230-240V / 50Hz / 2900W

CE

This appliance conforms with the following European Economic Community directives:

- 73/23/EEC of 19/02/73 (Low Voltage) and subsequent modifications;
- 89/336/EEC of 03/05/89 (Electromagnetic Compatibility) and subsequent modifications;
- 93/68/EEC of 22/07/93 and subsequent modifications.

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transmitting oversized frames. You can use a network analyzer to determine which node on the network is causing the problem.

Driver Operating Time (minutes)

This indicates the approximate time in minutes that the driver has been operating.

Link Speed (bits per second)

This indicates the speed that the adapter is running. Use this information to ensure that the adapter is operating in the same mode as the device to which it is connected.

Duplex Mode (0=Half, 1=Full)

This indicates the duplex mode in which the adapter is operating. Use this information to ensure that the adapter is operating in the same mode as the device to which it is connected.

Promiscuous Mode (0=Off, 1=On)

This statistic indicates whether Promiscuous Mode is currently turned on or off and can be used to verify the operation of network analyzer products such as Novell's LANalyzer NLM. (When the LANalyzer is capturing network data, Promiscuous Mode will be on).

Network Link Status (0=up, 1=down)

This statistic reports the current status of the link. Zero indicates the link is working (up). One indicates that there is no communication with the hub (down). If this statistic is one, check your cables and connections. If none of these solutions alleviate the problem, try changing the cable or resetting the hub.

VG Transitions Into Training

A training session occurs before a controller is given access to the network. Twenty four packets are sent to the hub and echoed back. When this occurs successfully, data can be transferred on the network from a controller. If a hub or controller detects interference or invalid data control sequences, training will occur.

This counter tracks the number of times the controller enters the training state. If this count goes up rapidly, the controller is disconnecting/reconnecting to the hub numerous times. Excessive transitions into training may mean a bad cable.

1. Swap out the controller and controller cable one at a time. If you find a faulty component, replace it.
2. Check your hub. This component may be at fault. Use the diagnostics from the hub manufacturer to help you determine if a problem exists.
3. Run Compaq Diagnostics. If none of these suggestions clear the problem, contact your service provider. You may need a driver upgrade.

VG Training Failures

This statistic counts the number of times a training session has failed. For example, this statistic will increase if your controller is disconnected from the hub because periodically the controller attempts to connect to the hub. If this statistic increments rapidly, check the following:

1. Make sure your adapter is connected to the hub using proper cabling.

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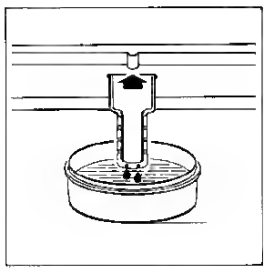
1. Remove the frozen food from the freezer, wrap it in several layers of newspaper and put it in a very cool place
2. Switch off the appliance and pull out the plug, or press the "ON/OFF" button
3. Leave the freezer compartment door open.
4. Insert the plastic scraper into the recess provided under the defrost water channel and place a collecting basin under it.



5. Once defrosting is completed keep the scraper for future use,
6. Press the temperature setting button to the required setting or replace the plug in the power socket

Warning!

Never use metal tools to scrape off the frost

Do not use a mechanical device or any artificial means to speed up the thawing process other than those recommended by the manufacturer.

A temperature rise of the frozen food packs, during defrosting , may shorten their safe storage life.

Switching off the appliance

To switch off the appliance, press the "ON/OFF" button or disconnect from the electricity supply.

If the appliance is not going to be used for an extended period:

1. Remove all packages as well as ice trays.
2. Remove the mains plug or switch off.
3. Defrost freezer compartment and clean thoroughly (see section: "Cleaning and Care")
4. Leave the door open to avoid the build up of odours.

Cleaning and Care

For hygienic reasons the appliance interior, including interior accessories, should be cleaned regularly.

Warning!

Before carrying out any cleaning or maintenance, disconnect the appliance from the electricity supply

- Never clean the appliance with a steam cleaner. Moisture could accumulate in electrical components and could cause an electrical shock! Hot vapours can lead to the damage of plastic parts.
- The appliance must be dry before it is placed back into service

Warning!

- Ethereal oils and organic solvents can attack plastic parts, e.g.
  - lemon juice or the juice from orange peel,
  - butyric acid;
  - cleansers which contain acetic acid.

  Do not allow such substances to come into contact with appliance parts.
- Many proprietary kitchen surface cleaners contain chemicals that can attack/damage the plastics used in this appliance. For this reason it is recommended that the outer casing of this appliance is only cleaned with warm water with a little washing-up liquid added.

1. Remove frozen food and the food from the refrigerator. Wrap frozen food in several layers of newspaper. Store it in a cool place, well covered.
2. Switch the appliance off and remove the plug from the mains, or disconnect from the electricity supply.
3. Clean the appliance and the interior accessories with lukewarm water and with a little bicarbonate of soda added (5ml to 0,5 litre of water).
4. Dry the appliance thoroughly
5. When everything is dry place the appliance back into service.

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Table 2. Physical & Environmental Specifications

Feature	Specification
DC inputs	5 V, 2 4 A
Power consumption	11 watts (maximum)
Temperature	Operating 0° to 40° C Storage –10° to 55° C
Humidity	5 to 95% RH, non-condensing
Dimensions	190 × 38 × 120 mm (W × H × D)
Certification	FCC Class B, CE Mark Class B, VCCI Class B

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These symbols on power supplies or systems indicate the equipment is supplied by multiple sources of power.

WARNING: To reduce the risk of injury from electric shock, remove all power cords to completely disconnect power from the system.

This symbol indicates that the component exceeds the recommended weight for one individual to handle safely.

Weight in kg
Weight in lb

WARNING: To reduce the risk of personal injury or damage to the equipment, observe local occupational health and safety requirements and guidelines for manual material handling.

Rack Stability

WARNING: To reduce the risk of personal injury or damage to the equipment, be sure that:

- The leveling jacks are extended to the floor.
- The full weight of the rack rests on the leveling jacks.
- The stabilizing feet are attached to the rack if it is a single rack installation.
- The racks are coupled together in multiple rack installations.
- Only one component is extended at a time. A rack may become unstable if more than one component is extended for any reason.

Getting Help

If you have a problem and have exhausted the information in this guide, you can get further information and other help in the following locations.

Compaq Technical Support

In North America, call the Compaq Technical Phone Support Center at 1-800-OK-COMPAQ. This service is available 24 hours a day, 7 days a week. For continuous quality improvement, calls may be recorded or monitored.

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1. NAVIGATING THE TERMINAL MENU

Terminal Menu Window

The Total Access 600R uses a multi-level menu structure that contains both menu items and data fields. All menu items and data fields display in the terminal menu window (see Figure 1), through which you have complete control of the Total Access 600R.

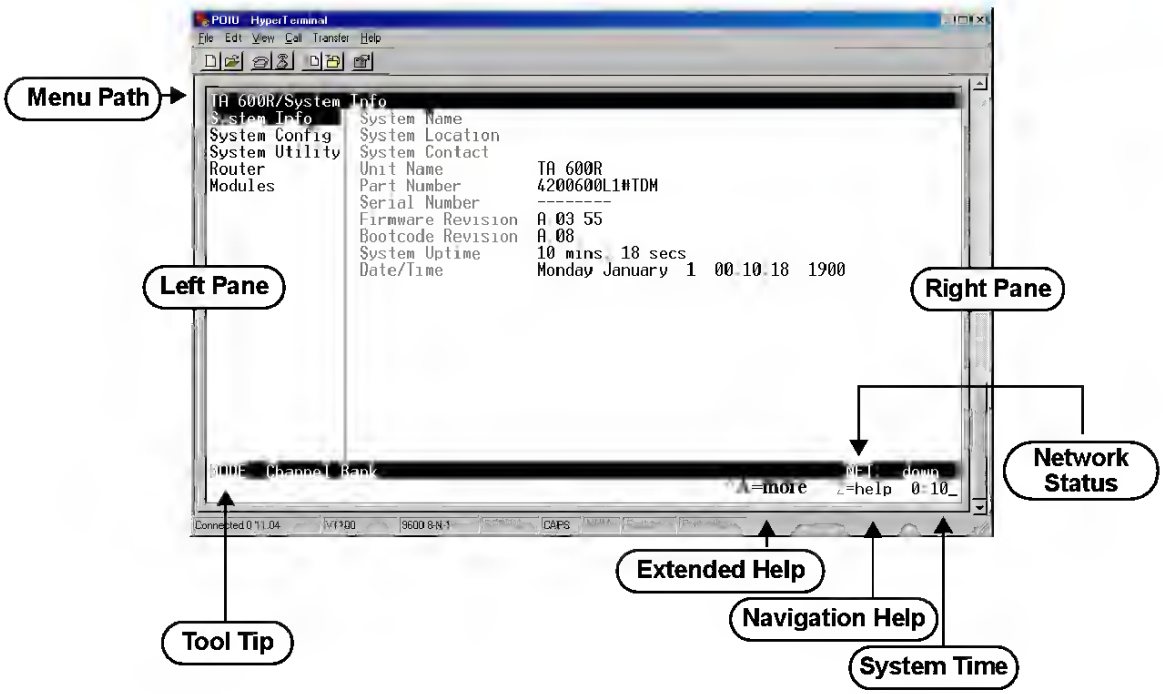

Figure 1. Top-Level Terminal Menu Window

Menu Path

The first line of the terminal menu window (the menu path) shows the session's current position (path) in the menu structure. For example, Figure 1 shows the top-level menu with the cursor on the **SYSTEM INFO** submenu, therefore, the menu path reads **TA 600R/SYSTEM INFO**.

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Switching Off the Appliance

☞To switch off the appliance, turn the temperature regulator to position"0".

If the appliance is not going to be used for an extended period:

☞1. Remove all refrigerated packages.

2. Switch off the appliance by turning the thermostat knob to position"0".

3. Remove the mains plug or switch off or disconnect from the electricity supply.

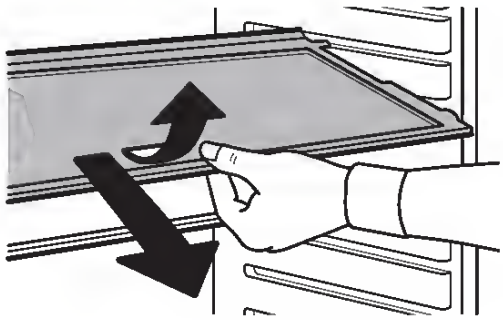
4. Clean thoroughly (see section: "Cleaning and Care").

5. Leave the door open to avoid the build up of odours.

Interior Accessories

Storage Shelves

Various glass storage shelves are included with your appliance. The height of the storage shelves can be adjusted:



☞1. To do this pull the storage shelf forward until it can be swivelled upwards or downwards and removed.

2. Please do the same in reverse to insert the shelf at a different height.

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FCC Information

Federal communications Commission Radio Frequency Interference Statement

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

* Reorient or relocate the receiving antenna.
* Increase the separation between the equipment and receiver.
* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
* Consult the dealer or an experienced radio TV technician for help.

Notice:

(1) The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

(2) Shielded interface cables and AC power cord, if any, must be used in order comply with the emission limits.

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Note: *Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal conditon*

Disposal instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle. For more information on the Waste from Electrical and Electronics Equipment (WEEE) regulations, visit **www.acer-group.com/public/Sustainability/sustainability01.htm**

Tips and information for comfortable use

Computer users may complain of eyestrain and headaches after prolonged use. Users are also at risk of physical injury after long hours of working in front of a computer. Long work periods, bad posture, poor work habits, stress, inadequate working conditions, personal health and other factors greatly increase the risk of physical injury.

Incorrect computer usage may lead to carpal tunnel syndrome, tendonitis, tenosynovitis or other musculoskeletal disorders. The following symptoms may appear in the hands, wrists, arms, shoulders, neck or back:

- Numbness, or a burning or tingling sensation.
- Aching, soreness or tenderness.
- Pain, swelling or throbbing.
- Stiffness or tightness.
- Coldness or weakness.

If you have these symptoms, or any other recurring or persistent discomfort and/or pain related to computer use, consult a physician immediately and inform your company's health and safety department.

The following section provides tips for more comfortable computer use.

Weight in kg
Weight in lb

Any product or assembly marked with these symbols indicates that the component exceeds the recommended weight for one individual to handle safely.

Preparation Procedures

Before beginning to remove any serviceable parts, determine whether the part is hot-pluggable or non-hot-pluggable.

Hot-Pluggable Devices

Hot-pluggable devices in the ProLiant ML370 Servers include SCSI hard drives and power supplies (with redundant power supply option kit).

IMPORTANT: It is not necessary to turn off the server to replace hot-plug devices when they are not in active use.

Non-Hot-Pluggable Devices

If the part is non-hot-pluggable, the server must be powered down. Non-hot-pluggable parts include the processors, all boards, DIMMs, fans, drive cages, and the standard power supply.

Powering Down the Server

System power in ProLiant ML370 Servers does not completely shut off with the front panel Power On/Standby switch. The switch toggles between On and Standby, rather than On and Off. The standby position removes power from most electronics and the drives, but portions of tbe hot-plug power supply and some internal circuitry remain active. To completely remove all power from the system, you must disconnect all power cords from the server.

WARNING: To reduce the risk of injury from electric shock, remove all power cords to completely disconnect power from the system.

WARNING: To reduce the risk of personal injury or damage to the equipment, ensure that only one component is extended at a time. A rack may become unstable if more than one component is extended for any reason.

WARNING: Because the rack allows you to stack computer components on a vertical rather than horizontal plane, you must take precautions to provide for rack stability and safety. It is important that you follow these precautions to provide for rack stability and safety and to protect both personnel and property. Heed all cautions and warnings throughout the installation instructions that came with the server.

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Function	Left button (1)	Right button (3)	Main touchpad	Center button (2)
Execute	Quickly click twice.		Tap twice (at the same speed as double-clicking a mouse button).	
Select	Click once.		Tap once.	
Drag	Click and hold, then use finger on the touchpad to drag the cursor.		Tap twice (at the same speed as double-clicking a mouse button); rest your finger on the touchpad on the second tap and drag the cursor.	
Access context menu		Click once.		
Scroll				Click and hold to move up/down/ left/right.

Note: Keep your fingers dry and clean when using the touchpad. Also keep the touchpad dry and clean. The touchpad is sensitive to finger movement, hence, the lighter the touch, the better the response. Tapping harder will not increase the touchpad's responsiveness.

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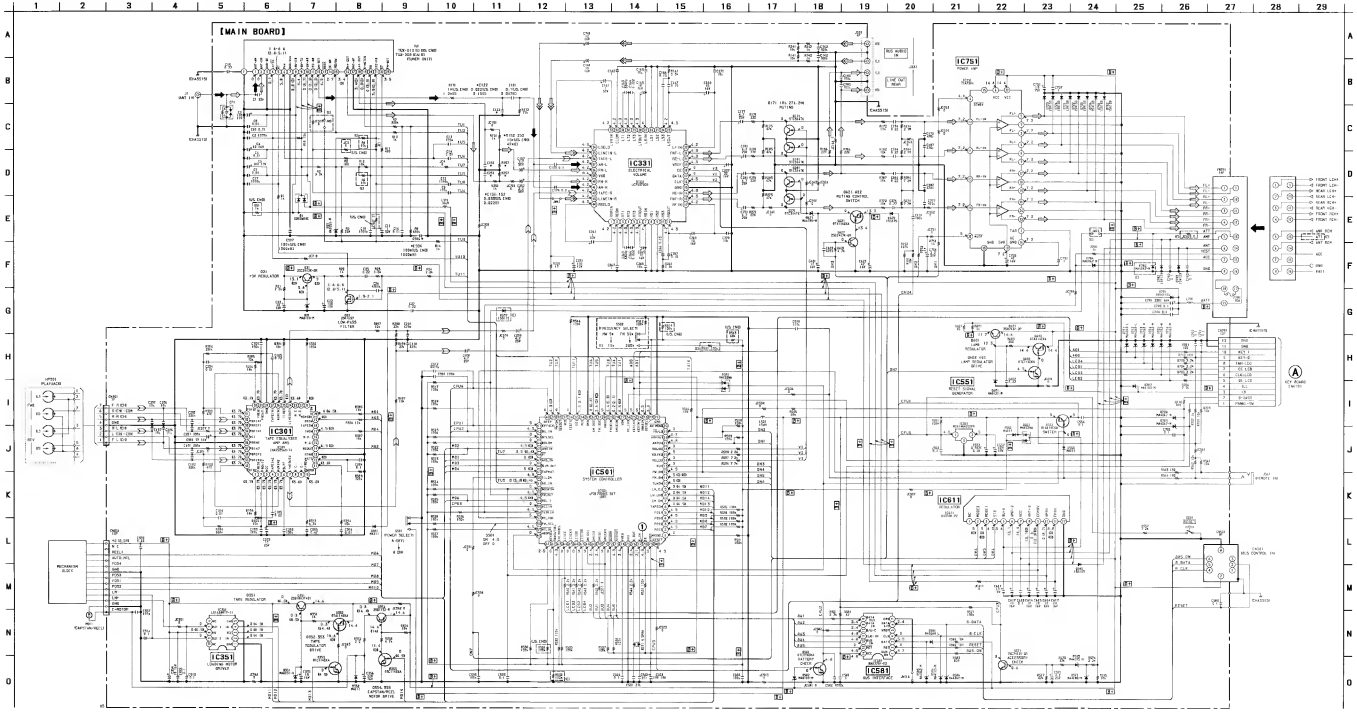
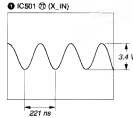


• Waveform

❶ IC501 ㉑ (X_IN)



Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF
  50 WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- : internal component.
- : panel designation.
- : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM (MW)
  (( )) : TAPE PLAYBACK
  * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : AM (MW)
  : TAPE PALYBACK
  : BUS AUDIO IN

ACSE/Presentation Calls and Primitives

The primitives are grouped in the sequence used in an application. For example, the A_ASSOC_xxx primitives are listed in the order:

```
A_ASSOC_REQ (request)
A_ASSOC_IND (indication)
A_ASSOC_RSP (response)
A_ASSOC_CNF (confirmation)
```

In the manpages entitled ap_intro and ap_env, you'll find introductions to the A/P environment and the A/P library environment attributes. They also supply detailed descriptions or references made in this manual. The manpages are accessible online with the manpage function of HP-UX.

Included here are tables of attributes that provide:

- Name and purpose of each attribute
- Data types legal for the attribute
- Default values supplied with attribute (if any)
- Values legal for the attribute (if applicable)
- Readable states for the attribute (as values of the AP_STATE attribute)
- Writable states for the attribute (as values of the AP_STATE attribute)

The following lists A/P functions first by task, then by call in alphabetic order in Table 2-1. The supported primitives are described in Table 2-2.

A/P Functions

The A/P calls can be separated into functions that perform the following tasks:

- Establish/release the communication endpoint:

  ```
  ap_open()
  ap_close()
  ```

- Manage the ACSE/Presentation environment:

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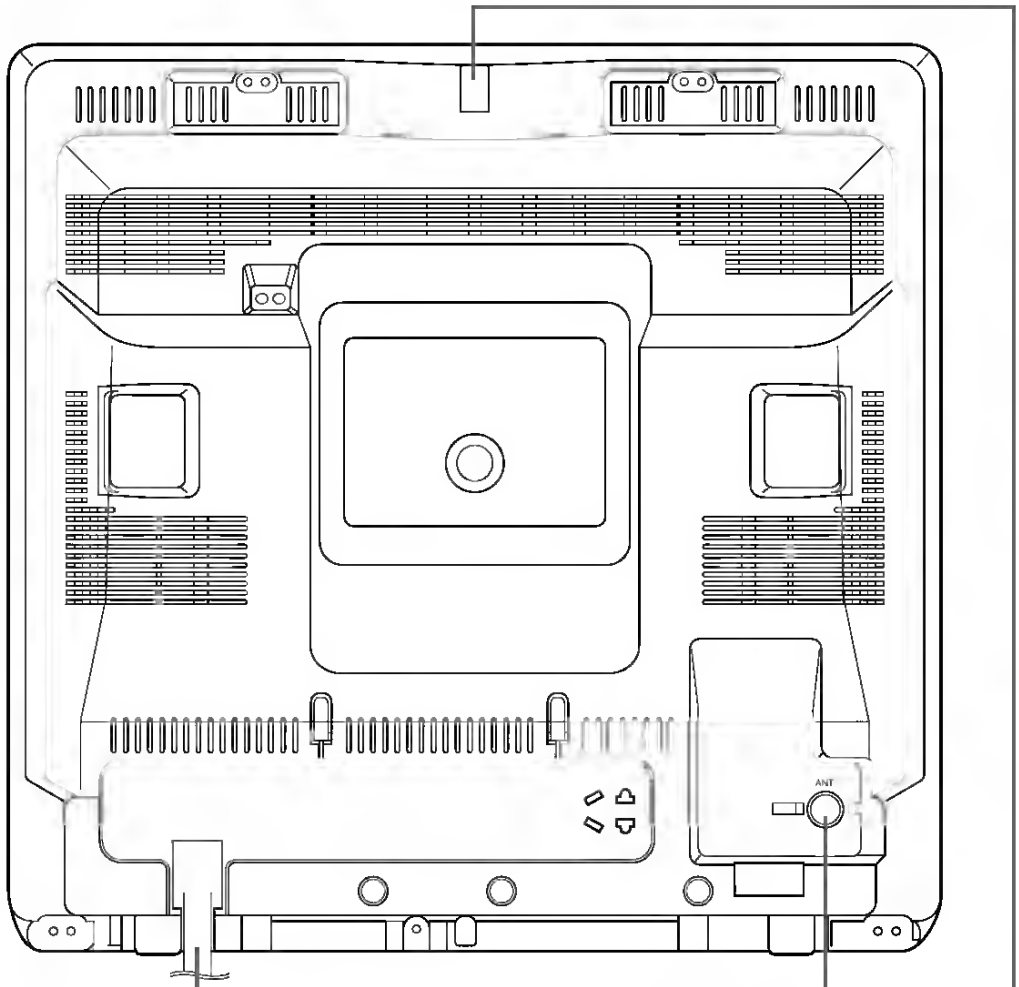

ANT(enna) Jack
Connect your antenna or cable here.
Details are on page six.

AC Power Cord
Connect to a standard AC outlet to supply power to the TV/VCR.

Antenna Hole
Connect the stem of an indoor antenna here. *Details are on page six.*

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High Capacity Disk Storage

As a rule of thumb, MPEG-2 compressed video data takes about 1 GigaByte of storage per hour of video content. A dozen two-hour movies would therefore require about 24GB of disk storage. Therefore, an important characteristic of video servers is their ability to accommodate the highest capacity disk drives such as 9.1 or 18.1 GB. Important parameters to consider include the total number and type of internal drive bays—e.g., the ability to accommodate either 1" or 1.6" disk drives. It is also desirable to be able to expand the storage as the system grows through the use of external storage options using SCSI or Fibre Channel technology. To accommodate all of this disk storage it is also important that there be a sufficient number of PCI slots available for the appropriate disk drive controllers.

High Sustainable Throughput

The real-time nature of video demands that it be delivered to the network as a continuous high bit rate stream. As a result, the most critical resource in a video server is often the I/O bandwidth for providing a sustainable bit rate for multiple concurrent streams. This sustained throughput is usually measured as the average number of bits delivered per unit time. Since video content is generally stored on a rotating disk, this sustainable throughput is greatly influenced by disk rotation speed, disk array architecture, and disk I/O bus throughput. Video content may also be "striped" across multiple disks to improve performance as well as to provide redundancy. It is therefore important that the video server be capable of accommodating high speed drives when needed, as well as wide (32-bit minimum) and fast PCI busses and multiple disk arrays with controllers that support content striping. For example, wide Ultra SCSI-3 disk controllers provide a sustainable throughput of 40 MB/sec—twice that of Fast-Wide SCSI-2. For some applications, the availability of high rotation speed disks— e.g., 10,000 rpm—is also desirable for maximum performance.

High Performance Network

High quality broadcast video can be delivered at bit rates ranging from 3 Mbps to 30 Mbps. This generally requires a high bandwidth network such as 100 Mbps Ethernet connection or a high-speed ATM connection. It is important that the appropriate network interface cards (NICs) be available with highly tuned and thoroughly tested drivers to deliver continuous high bit rate packetized video streams over the network.

Multiple CPUs

Video servers tend to be more I/O intensive than compute-intensive. While they still need to have a relatively fast processor, they don't necessarily need the fastest CPU available. However, it is sometimes desirable, depending on the capabilities of the video server software, to provide dedicated processors to the "video pump" function. This can prevent other operating system tasks from stealing CPU time from the all-important real-time delivery of video. It can therefore be desirable to be able to expand the server to multiple processors as the system grows.

Expandable System Memory

For smooth delivery, the video server software may maintain multiple buffers in memory for each active video stream to keep data flowing smoothly over the network while the next block of video data is being retrieved from disk. It is therefore desirable to be able to expand the system memory appropriately as the system requirements grow to support more concurrent video streams.

High Availability

It may not be unusual for video servers to be on call to serve up video content at any time day or night to anywhere on the globe. This need for higher than normal system availability may impose

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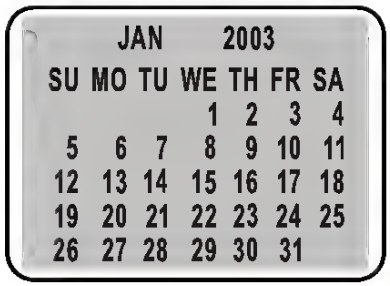
CALENDAR FUNCTION

How to look up days and years:

Step	Press button		Result on screen
1	V- / V+	Select your desired month.	
2	C+ / C-	Select your desired year.	



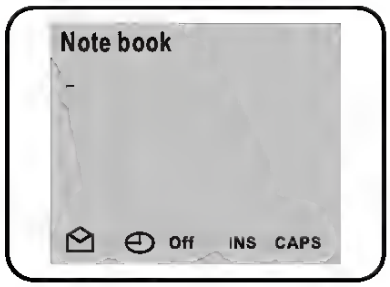
NOTEBOOK FUNCTION

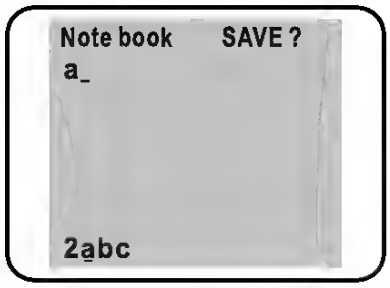
This feature allows you to store information such as phone number, leave message and etc, and can be used as a reminder.

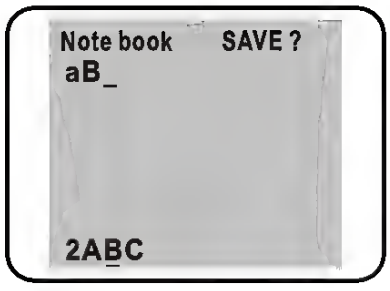
How to input and correct information in notebook:

Example: if you want to input the content: **aBc@21cn.com**

Step	Press button		Result on screen
1	NOTES	Press button to enter the Notebook.	
2	CAPS	Press button to turn off the capital function, and the color of CAPS on the screen will turn into blue.	
3	2 ABC	Press twice to input the letter "a". **Note**: Pressing this button repeatedly can cyclically input "2", "a", "b" and "c". The same procedure is applicable to input other digits or small letters.	
4	CAPS	Press again to turn on the capital function, and the color of CAPS on the screen will turn into red.	
5	2 ABC	Press three times to input the letter "B". **Note**: Pressing this button repeatedly can cyclically input "2", "A", "B" and "C". The same procedure is applicable to input other digits or capital letters.	







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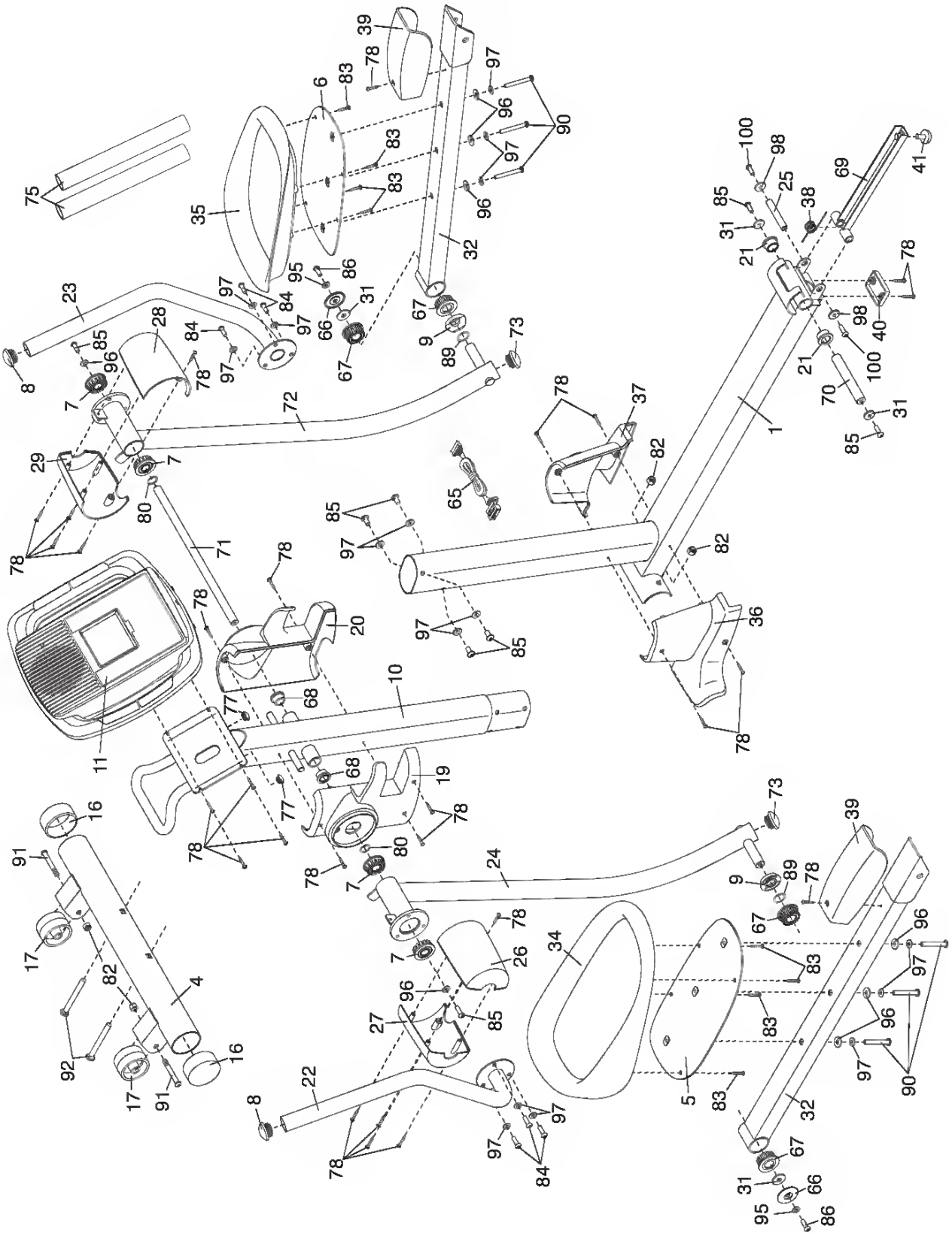
EXPLODED DRAWING A—Model No. 30710.0

R0607A



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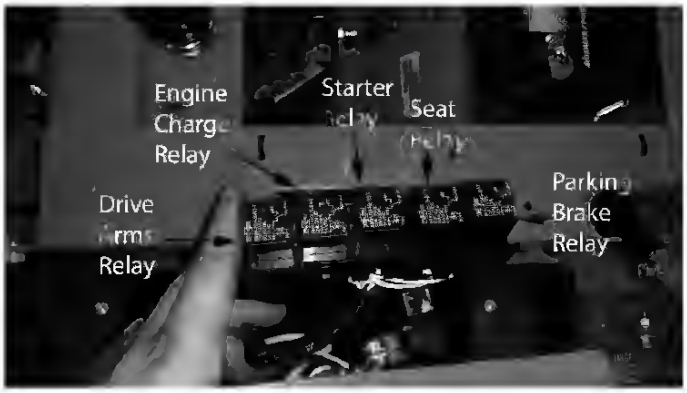
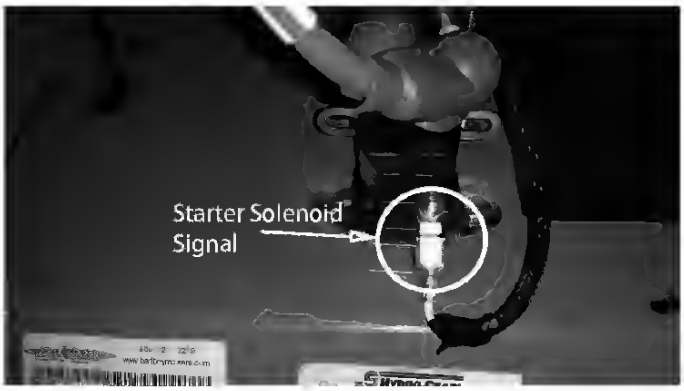
Check the condition and connection of the relays located under the control panel. Ensure that they are clean and connected. Make sure that wire terminal ends have not been pushed out of the relay block.



If you are having issues starting your mower ensure the signal wire is connected to your starter solenoid.



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5 Aloita asennus painamalla (OK) -näppäintä. Kaikki digitaaliset palvelut haetaan ja tallennetaan automaattisesti. Kun haku on saatu päätökseen, valikkoon tulee ilmoitus löydettyjen digitaalisten palveluiden lukumäärästä.

6 Kun haku on saatu päätökseen, tallenna palvelut (OK) -näppäimellä.

7 Palaa edelliseen valikkoon painamalla ◄ -painiketta.

8 Poistu valikosta painamalla MENU (DIGITAL) -näppäintä.

10.3 Palvelujen asentaminen käsin

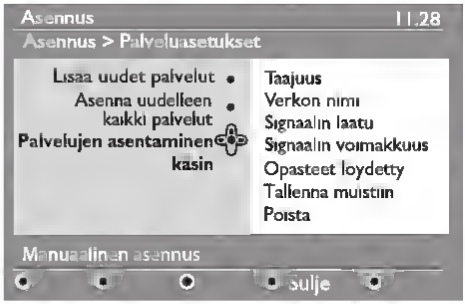
Tämä valikko antaa selata käsin palveluita tuomalla esiin kohdekanavan taajuuden.

1 Näytä asennusvalikko painamalla digitaalisessa tilassa MENU (DIGITAL) -näppäintä.

2 Valitse Asennus painamalla ▼-näppäintä ja paina sitten ►-näppäintä.

3 Valitse **Palveluasetukset** (▼) ja paina ► -näppäintä.

4 Valitse Palvelujen asentaminen käsin (▼) ja paina nuolinäppäintä ►.



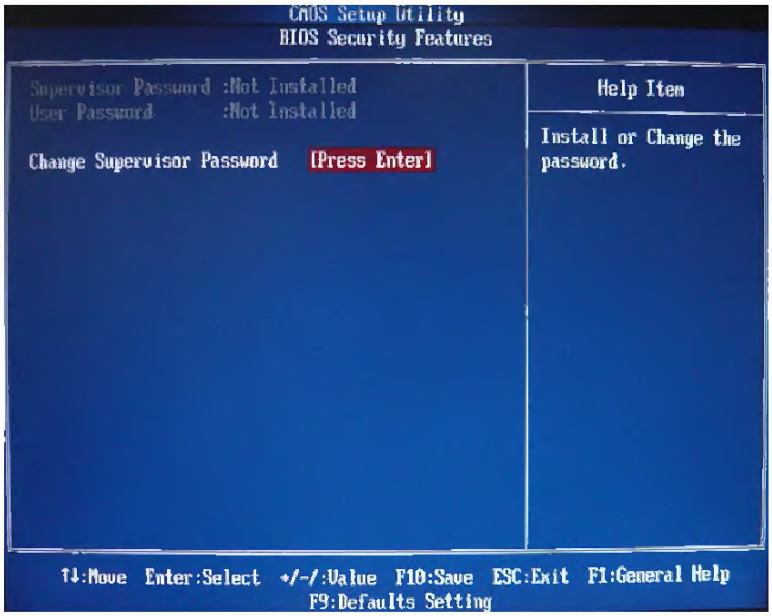
5 Syötä kohdekanavan taajuus (0)-(9) -näppäimellä ja aloita kanavien etsintä painamalla (OK). Kun haku on valmis, valikko näyttää löydettyjen digitaalisten palveluiden määrän.

6 Kun haku on saatu päätökseen, tallenna palvelut (OK) -näppäimellä.

7 Palaa edelliseen valikkoon painamalla ◄ -painiketta.

8 Poistu valikosta painamalla MENU (DIGITAL) -näppäintä.

BIOS Security Features



Parameter	Description	Option
Supervisor Password	This item indicates whether a supervisor password has been set. If the password has beeninstalled, Installed displays. If not, Not Installed displays.	
User Password	This item indicates whether a user password has been set. If the password has been installed,Installed displays. If not, Not Installed displays.	
HDD Password	This item indicates whether a HDD password has been set. If the password has been installed,Installed displays. If not, Not Installed displays.	
Change Supervisor Password	You can select this option and press <Enter> to access the sub menu. You can use the submenu to change the supervisor password.	

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What to do if...

Remedying small malfunctions

If one of the following fault codes is displayed in the multi-display during operation:
– Fault code F10 (Problems with water inlet),
– Fault code F20 (Problems with water drainage),
please have a look at the following table.

When the fault is remedied, press the button for the cycle that has started. The cycle will continue.

With other fault codes ("F" followed by a number):
– Abort the dishwashing cycle.
– Switch the appliance off and on again.
– Re-set the dishwashing cycle.
If the fault is displayed again, please contact your local Service Force Centre and inform them of the fault code.

Malfunction	Possible cause	Remedy
The cycle indicator for the selected dishwashing cycle is flashing: the control indicator **WATER** is lit, fault code F10 is displayed in the multi-display (Problems with water inlet).	Water tap is blocked with limescale or faulty.	Check the water tap and have it repaired if necessary.
	The tap is turned off.	Turn the tap on.
	The filter (where present) in the threaded hose fitting on the tap is blocked.	Clean the filter in the threaded hose fitting.
	Filters in the base of the washing compartment are blocked.	Cancel the dishwashing cycle (see chapter: Starting a dishwashing cycle), clean filters (see chapter: Cleaning the filters), then start the dishwashing cycle again.
	Water inflow hose has not been correctly positioned.	Check the position of the hose.
The cycle indicator for the selected dishwashing cycle is flashing, fault code F20 is displayed in the multi-display (there is water in the dishwasher's internal dispenser).	The sink outlet is blocked.	Clean out sink outlet.
	Water drain hose has not been correctly positioned.	Check the position of the hose.

Editing Sound Tracks (Files)

1. Press the Play/Pause「 ▶ II 」button to power on the MP3/Storage Drive. If there is no sound track added in the memory of this drive, you will read the massage as below on the screen.

2. Remove the USB connector cap, and then plug one end of the supplied USB cable to your computer, and plug the other end to the MP3/Storage Drive.
3. Once the MP3/Storage Drive is connected to the computer, you will see the screen shown as below.

4. Go to Start ➔ Program ➔Windows Explore ➔MP3/Storage Drive.
5. Select the desired sound tracks (files) from your own folder, and move them into the MP3/Storage Drive. While the selected sound tracks (files) is transferring to the MP3/Storage Drive, a message will shown as below.

Note: Do not disconnect the MP3/Storage Drive from the computer while the file transferring is still on going, otherwise it may cause some system failure.

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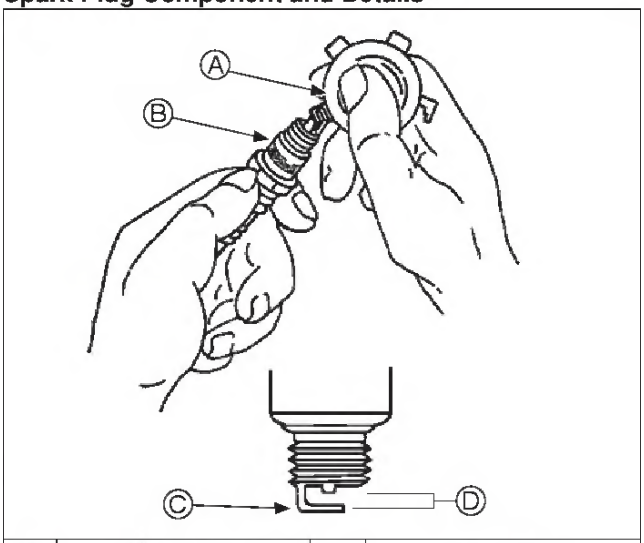
SPARK PLUGS

⚠ CAUTION

Electrical Shock can cause injury.
Do not touch wires while engine is running.

Spark Plug Component and Details



A	Wire Gauge	**B**	Spark Plug
C	Ground Electrode	**D**	Gap

NOTE: Do not clean spark plug in a machine using abrasive grit. Some grit could remain in spark plug and enter engine causing extensive wear and damage.

Engine misfire or starting problems are often caused by a spark plug that has improper gap or is in poor condition.

Engine is equipped with following spark plugs:

Gap	0.76 mm (0.03 in.)
Thread Size	14 mm
Reach	19.1 mm (3/4 in.)
Hex Size	15.9 mm (5/8 in.)

Refer to Maintenance for Repairs/Service Parts.

Service

Clean out spark plug recess. Remove plug and replace.

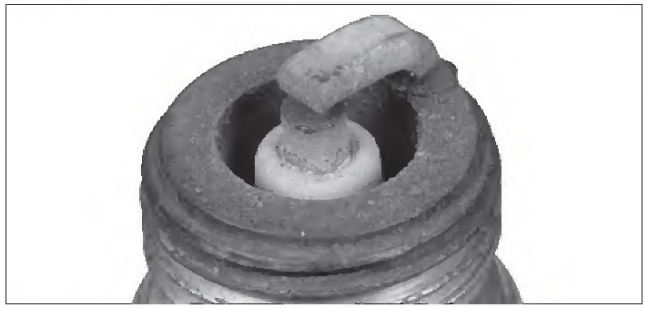
1. Check gap using wire feeler gauge. Adjust gap to 0.76 mm (0.03 in.).
2. Install plug into cylinder head.
3. Torque plug to 27 N·m (20 ft. lb.).

Inspection

Inspect each spark plug as it is removed from cylinder head. Deposits on tip are an indication of general condition of piston rings, valves, and carburetor.

Normal and fouled plugs are shown in following photos:

Normal



Plug taken from an engine operating under normal conditions will have light tan or gray colored deposits. If center electrode is not worn, plug can be set to proper gap and reused.

Worn

On a worn plug, center electrode will be rounded and gap will be greater than specified gap. Replace a worn spark plug immediately.

Wet Fouled

A wet plug is caused by excess fuel or oil in combustion chamber. Excess fuel could be caused by a restricted air cleaner, a carburetor problem, or operating engine with too much choke. Oil in combustion chamber is usually caused by a restricted air cleaner, a breather problem, worn piston rings, or valve guides.

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